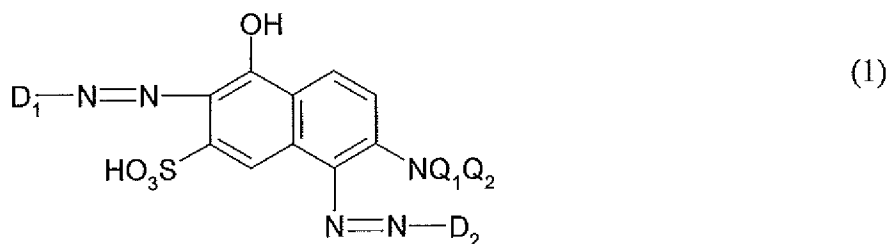


Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

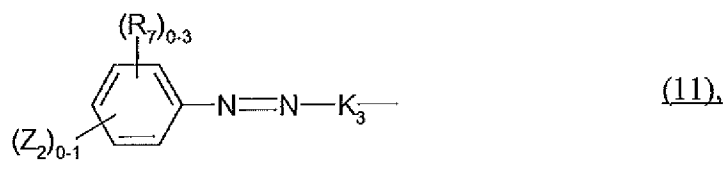
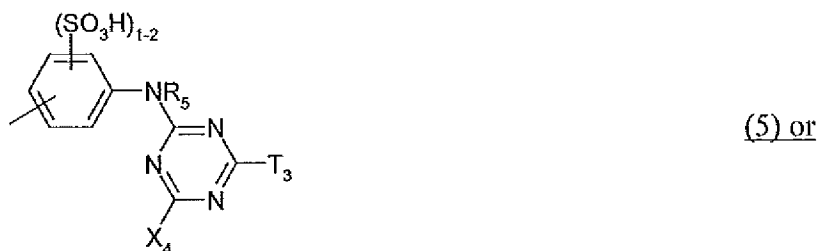
Claim 1 (currently amended). A reactive dye of formula



wherein

Q₁ and Q₂ are each independently of the other hydrogen or unsubstituted or substituted C₁-C₄ alkyl,

D₁ corresponds to a radical of formula (5) or (11)



wherein

R_5 is hydrogen or C_1 - C_4 alkyl,

$(R_7)_{0-3}$ denotes from 0 to 3 identical or different substituents selected from the group
halogen, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, C_2 - C_4 alkanoylamino, carboxy and sulfo,

X_4 is fluorine or chlorine,

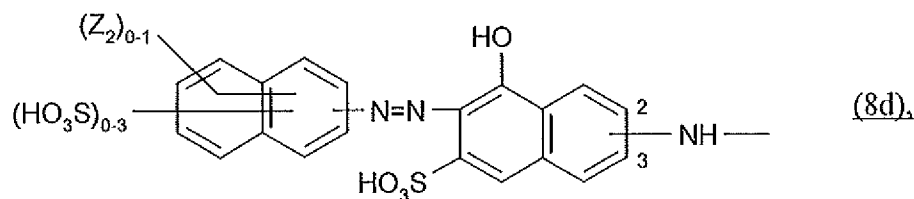
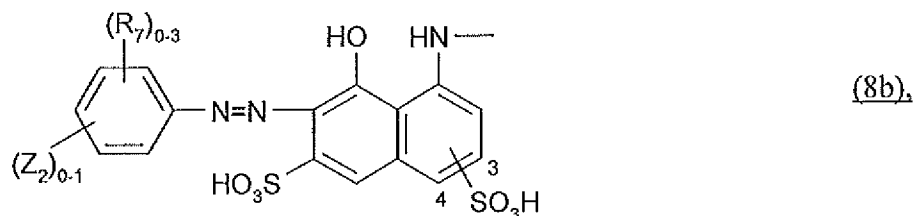
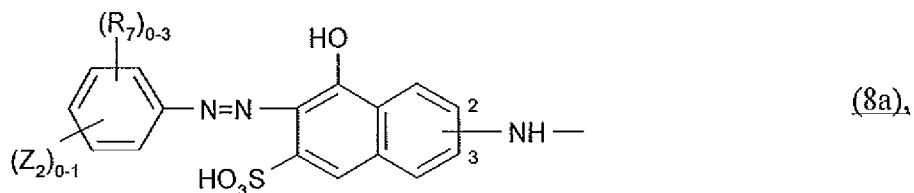
Z_2 is a fibre-reactive radical of formula

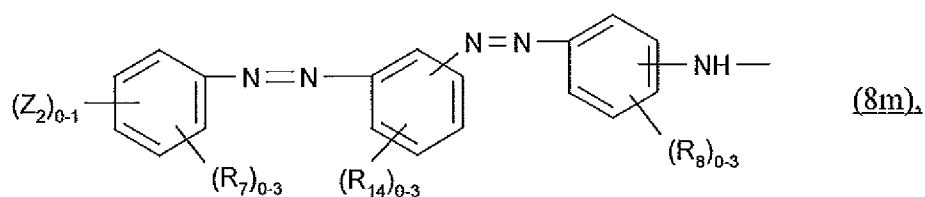
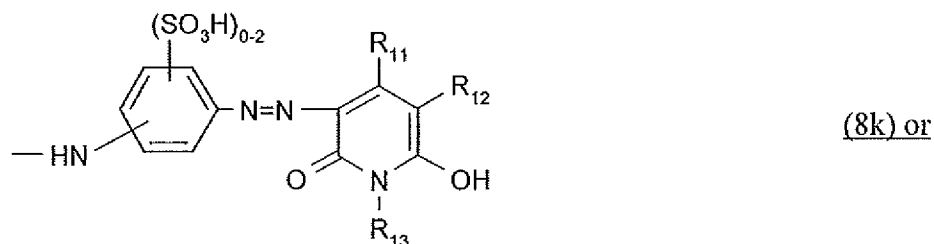
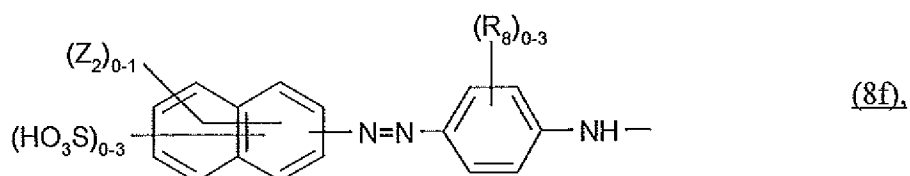
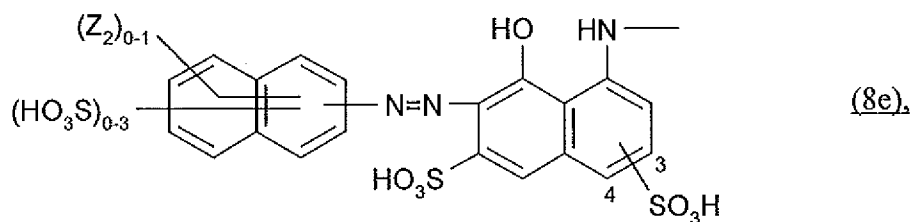


wherein

Y is vinyl or β -sulfatoethyl,

T_3 is a radical of formula





wherein

$(R_7)_{0-3}$ is as defined hereinabove,

$(R_8)_{0-3}$ denotes from 0 to 3 identical or different substituents from the group halogen, nitro, cyano, trifluoromethyl, sulfamoyl, carbamoyl, C_1 - C_4 alkyl, C_1 - C_4 alkoxy unsubstituted or substituted by hydroxy, sulfato or by C_1 - C_4 alkoxy, amino, C_2 - C_4 alkanoylamino, ureido, hydroxy, carboxy, sulfomethyl, C_1 - C_4 alkylsulfonylamino and sulfo,

R₁₁ and R₁₃ are each independently of the other hydrogen, C₁-C₄ alkyl or phenyl,

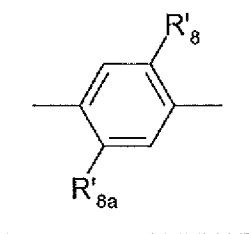
R₁₂ is hydrogen, cyano, carbamoyl or sulfomethyl,

(R₁₄)₀₋₃ denotes from 0 to 3 identical or different substituents from the group C₁-C₄ alkyl,

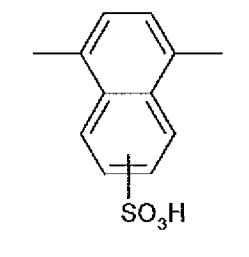
C₁-C₄ alkoxy, halogen, carboxy and sulfo, and

Z₂ is as defined hereinabove,

K₃ is the radical of a coupling component of formula



(12a) or



(12b),

wherein

R'₈ is hydrogen, sulfo, or C₁-C₄ alkoxy unsubstituted or substituted in the alkyl moiety by

hydroxy or by sulfato, and

R'_{8a} is hydrogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkanoylamino, ureido or a radical of formula



wherein

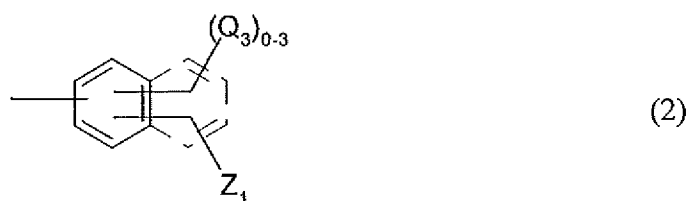
R_{1a} is hydrogen,

T₁ is amino; N-mono- or N,N-di-C₁-C₄ alkylamino unsubstituted or substituted in the alkyl moiety/moieties by hydroxy, sulfato or by sulfo; morpholino; phenylamino unsubstituted or substituted on the phenyl ring by sulfo, carboxy, acetylamino, chlorine, methyl or by methoxy; or N-C₁-C₄ alkyl-N-phenylamino unsubstituted or substituted in the same way on the phenyl ring and in which the alkyl is unsubstituted or substituted by hydroxy, sulfo or by sulfato; or naphthylamino unsubstituted or substituted by from 1 to 3 sulfo groups, and

X₁ is chlorine

~~is the radical of a diazo component, which is itself a mono- or dis-azo dye or contains such a dye,~~

D₂ has the same definition as D₁ or is a radical of formula



wherein

(Q₃)₀₋₃ denotes from 0 to 3 identical or different substituents selected from the group halogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, carboxy and sulfo and

Z₁ is a radical of formula



Y is vinyl or a -CH₂-CH₂-U radical and U is a group that is removable under alkaline conditions,

m and n are each independently of the other the number 2, 3 or 4, and Hal is halogen, with the proviso that the dye of formula (1) does not contain a hydroxysulfonylmethyl group.

Claim 2 (original). A reactive dye according to claim 1, wherein Q₁ and Q₂ are hydrogen.

Claim 3 and 4 (cancelled). A reactive dye according to claim 1 wherein

Y U is -Cl, -Br, -F, -OSO₃H, -SSO₃H, -OCO-CH₃, -OPO₃H₂, -OCO-C₆H₅, -OSO₂-C₁-C₄ alkyl or -OSO₂-N(C₁-C₄ alkyl)₂.

Claim 4 (cancelled).

Claim 5 (previously presented). A reactive dye according to claim 1 wherein D₂ is a radical of formula



wherein

Y is vinyl or β -sulfoethyl.

Claim 6 (previously presented). A process for the preparation of a dye of formula (1) according to claim 1, which comprises

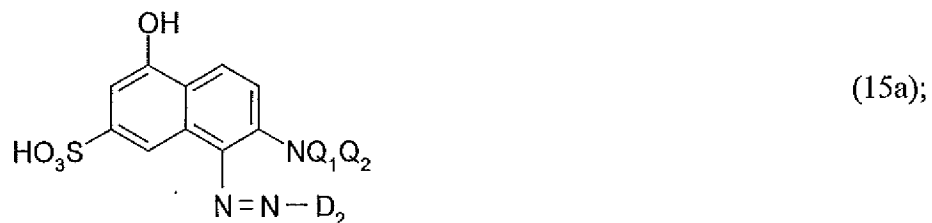
(i) diazotisation of approximately one molar equivalent of an amine of formula



and reaction with approximately one molar equivalent of a compound of formula



to form a compound of formula



and

(ii) diazotisation of approximately one molar equivalent of an amine of formula

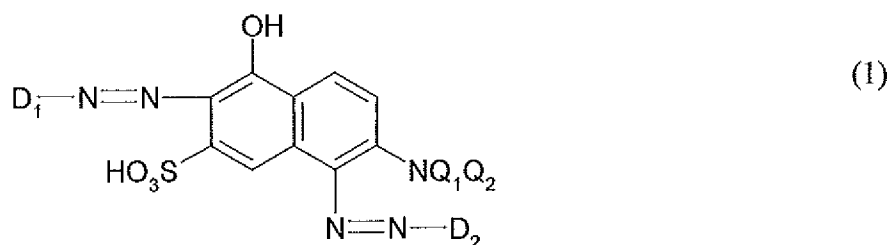


and reaction with approximately one molar equivalent of the compound of formula (15a) obtained according to (i) to form a compound of formula (1) according to claim 1 wherein D_1 , D_2 , Q_1 and Q_2 each have the definitions given in claim 1.

Claims 7-8 (canceled).

Claim 9 (original). An aqueous ink that comprises a reactive dye of formula (1) according to claim 1.

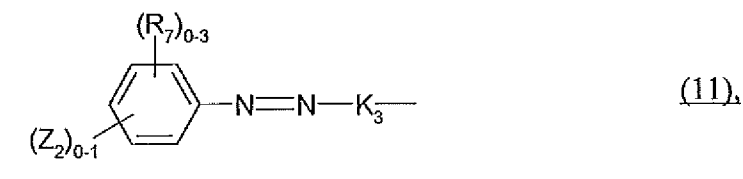
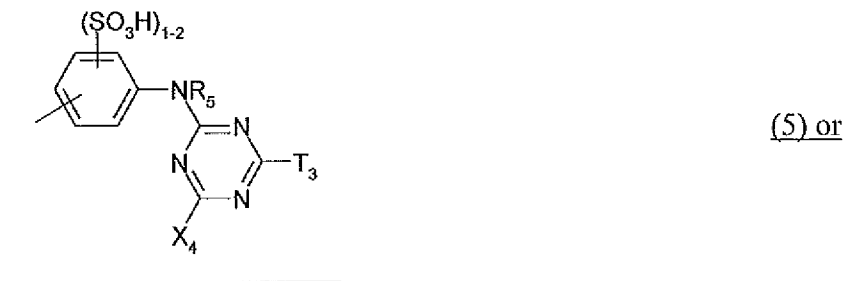
Claim 10 (currently amended). A process for printing a substrate comprising spraying individual droplets of an aqueous ink onto the substrate from a nozzle in a controlled manner wherein the aqueous ink comprises a reactive dye of formula



wherein

Q_1 and Q_2 are each independently of the other hydrogen or unsubstituted or substituted C_1 - C_4 alkyl,

D_1 corresponds to a radical of formula (5) or (11)



wherein

R₅ is hydrogen or C₁-C₄ alkyl,

(R₇)₀₋₃ denotes from 0 to 3 identical or different substituents selected from the group halogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkanoylamino, carboxy and sulfo,

X₄ is fluorine or chlorine,

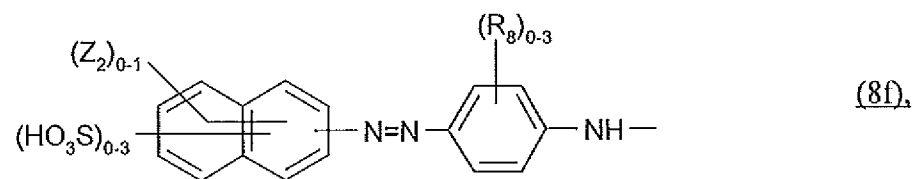
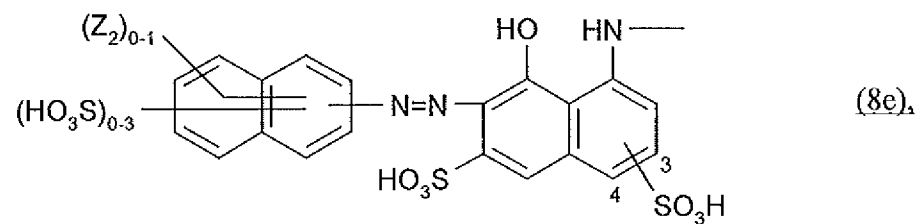
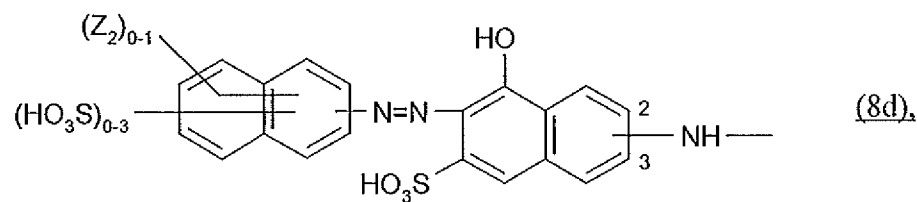
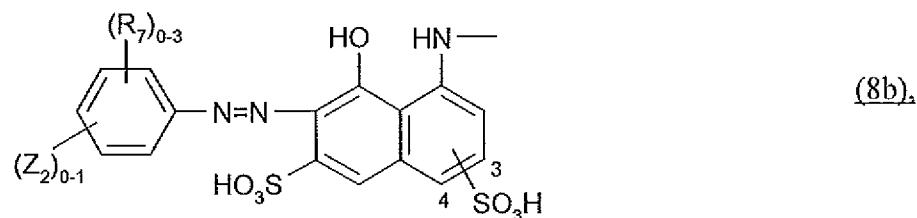
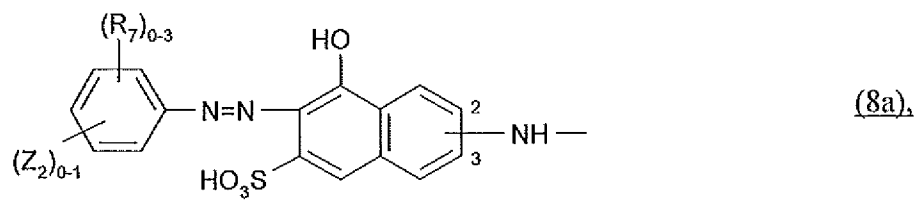
Z₂ is a fibre-reactive radical of formula

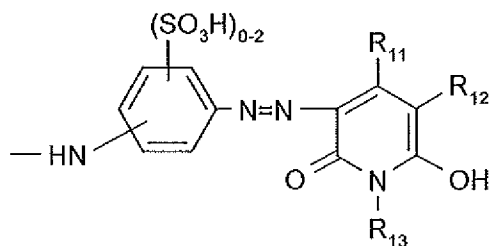


wherein

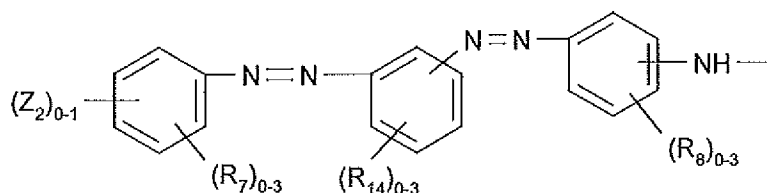
Y is vinyl or β-sulfatoethyl,

T₃ is a radical of formula





(8k) or



(8m),

wherein

$(R_7)_{0-3}$ is as defined hereinabove,

$(R_8)_{0-3}$ denotes from 0 to 3 identical or different substituents from the group halogen, nitro, cyano, trifluoromethyl, sulfamoyl, carbamoyl, C_1 - C_4 alkyl, C_1 - C_4 alkoxy unsubstituted or substituted by hydroxy, sulfato or by C_1 - C_4 alkoxy, amino, C_2 - C_4 alkanoylamino, ureido, hydroxy, carboxy, sulfomethyl, C_1 - C_4 alkylsulfonylamino and sulfo,

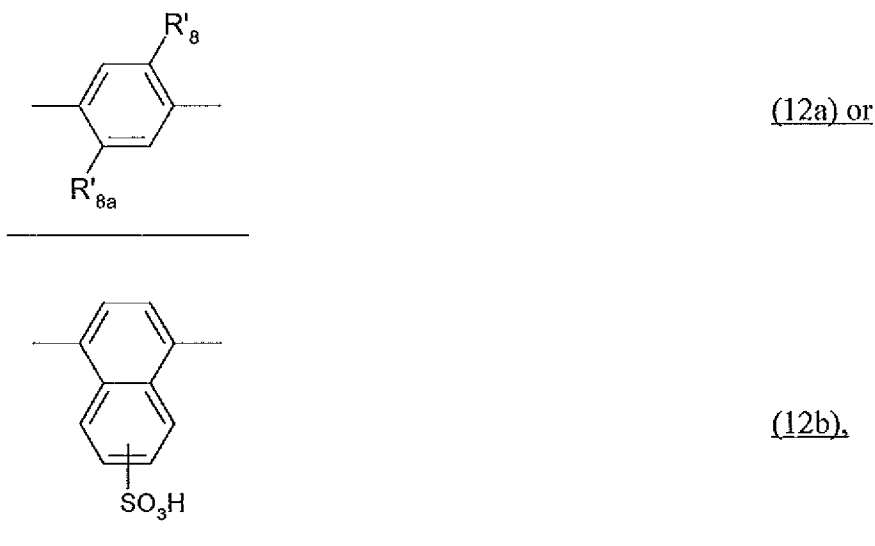
R_{11} and R_{13} are each independently of the other hydrogen, C_1 - C_4 alkyl or phenyl,

R_{12} is hydrogen, cyano, carbamoyl or sulfomethyl,

$(R_{14})_{0-3}$ denotes from 0 to 3 identical or different substituents from the group C_1 - C_4 alkyl, C_1 - C_4 alkoxy, halogen, carboxy and sulfo, and

Z_2 is as defined hereinabove,

K_3 is the radical of a coupling component of formula



wherein

R'₈ is hydrogen, sulfo, or C₁-C₄ alkoxy unsubstituted or substituted in the alkyl moiety by hydroxy or by sulfato, and

R'_{8a} is hydrogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₂-C₄ alkanoylamino, ureido or a radical of formula



wherein

R_{1a} is hydrogen,

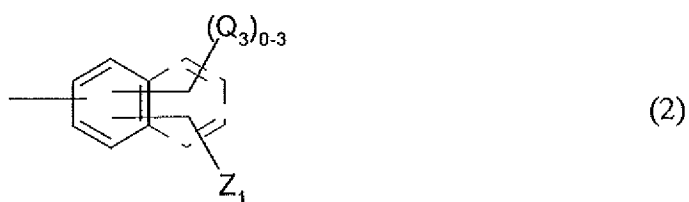
T₁ is amino; N-mono- or N,N-di-C₁-C₄ alkylamino unsubstituted or substituted in the alkyl moiety/moieties by hydroxy, sulfato or by sulfo; morpholino; phenylamino unsubstituted or substituted on the phenyl ring by sulfo, carboxy, acetylamino, chlorine, methyl or by methoxy; or N-C₁-C₄ alkyl-N-phenylamino unsubstituted or substituted in

the same way on the phenyl ring and in which the alkyl is unsubstituted or substituted by hydroxy, sulfo or by sulfato; or naphthylamino unsubstituted or substituted by from 1 to 3 sulfo groups, and

X₁ is chlorine

~~is the radical of a diazo-component, which is itself a mono- or dis-azo dye or contains such a dye,~~

D₂ has the same definition as D₁ or is a radical of formula



wherein

(Q₃)₀₋₃ denotes from 0 to 3 identical or different substituents selected from the group halogen, C₁-C₄alkyl, C₁-C₄alkoxy, carboxy and sulfo and

Z₁ is a radical of formula

-SO₂-Y (3a),

-NH-CO-(CH₂)_m-SO₂-Y (3b),

-CONH-(CH₂)_n-SO₂-Y (3c),

-NH-CO-CH(Hal)-CH₂-Hal (3d) or

-NH-CO-C(Hal)=CH₂ (3e),

Y is vinyl or a $-\text{CH}_2-\text{CH}_2-\text{U}$ radical and U is a group that is removable under alkaline conditions,

m and n are each independently of the other the number 2, 3 or 4, and

Hal is halogen,

with the proviso that the dye of formula (1) does not contain a hydroxysulfonylmethyl group.

Claim 11 (previously presented). The process of claim 10 wherein the substrate is selected from textile fibre material, paper and plastic film.

Claim 12 (previously presented). A method for dyeing fibre material which comprises applying a reactive dye of formula (1) according to claim 1 to the fibre material and fixing the reactive dye to the fibre material.

Claim 13 (previously presented). The method according to claim 12 wherein the fibre material is a hydroxyl-group-containing fibre material or a nitrogen-group-containing fibre material.

Claim 14 (previously presented). The method of claim 12 wherein the fibre material is a cellulosic fibre material.

Claim 15 (previously presented). The method of claim 14 wherein the cellulosic fibre material is a cotton-containing fibre material.